

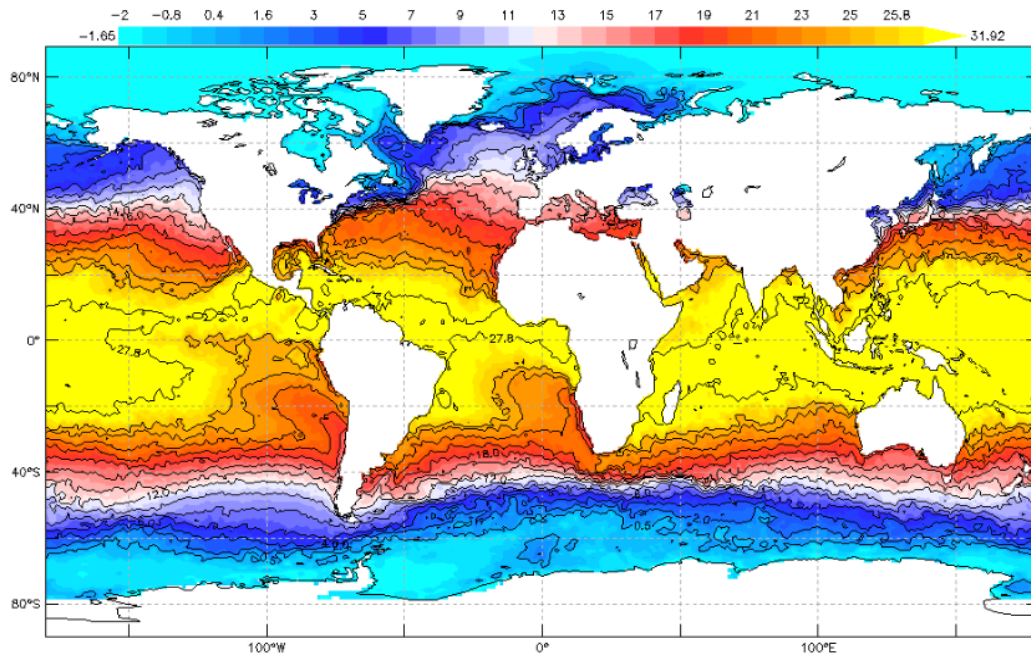
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MY NASA DATA: Ocean Currents and Sea Surface Temperatures

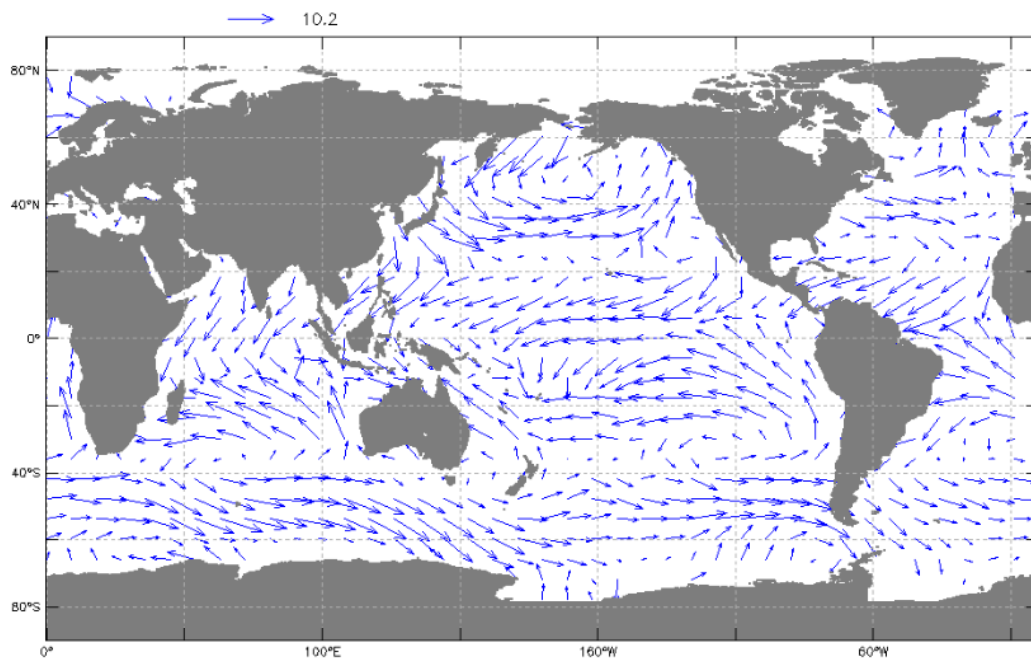
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Part 1: Use the following maps of sea surface temperature (SST) and ocean surface winds to answer the questions at the end of this packet.

Sea Surface Temperature (SST) January 2005



Monthly Ocean Wind Speed Vector January 2005

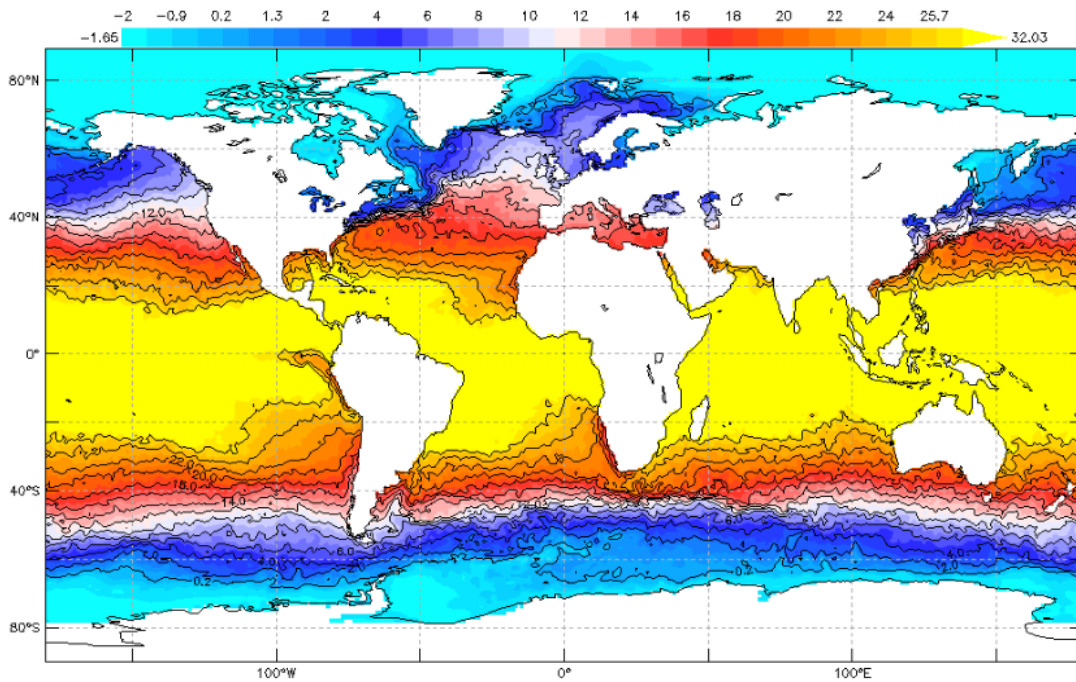


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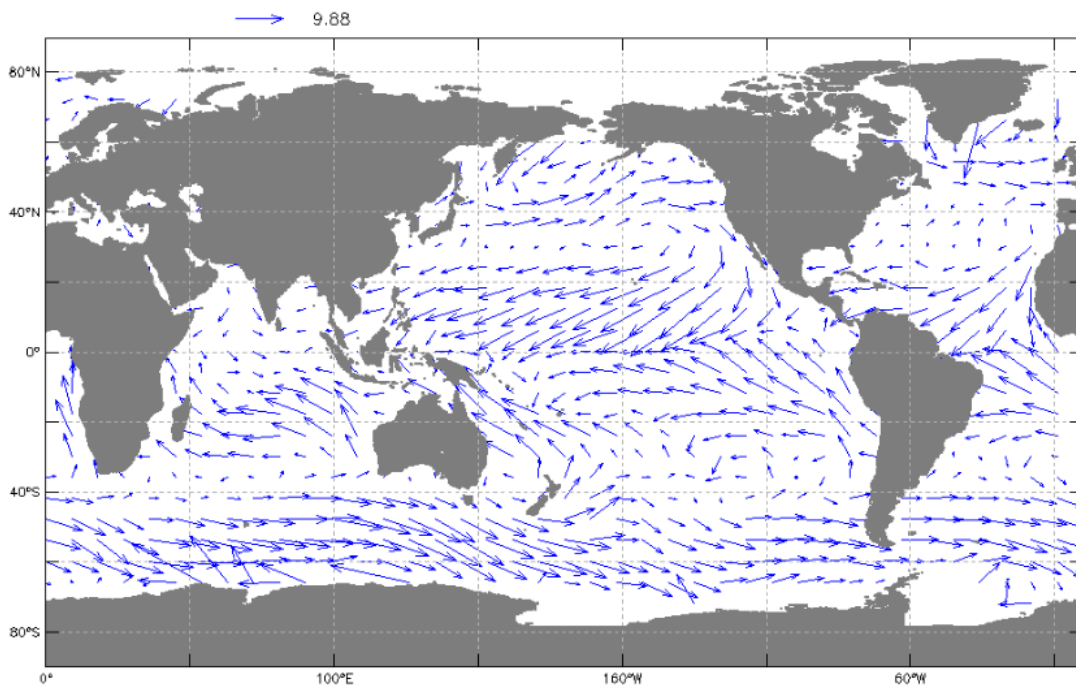
MY NASA DATA: Ocean Currents and Sea Surface Temperatures

http://mydasdata.larc.nasa.gov/?page_id=474?&passid=9

Sea Surface Temperature (SST) April 2005



Monthly Ocean Wind Speed Vector April 2005

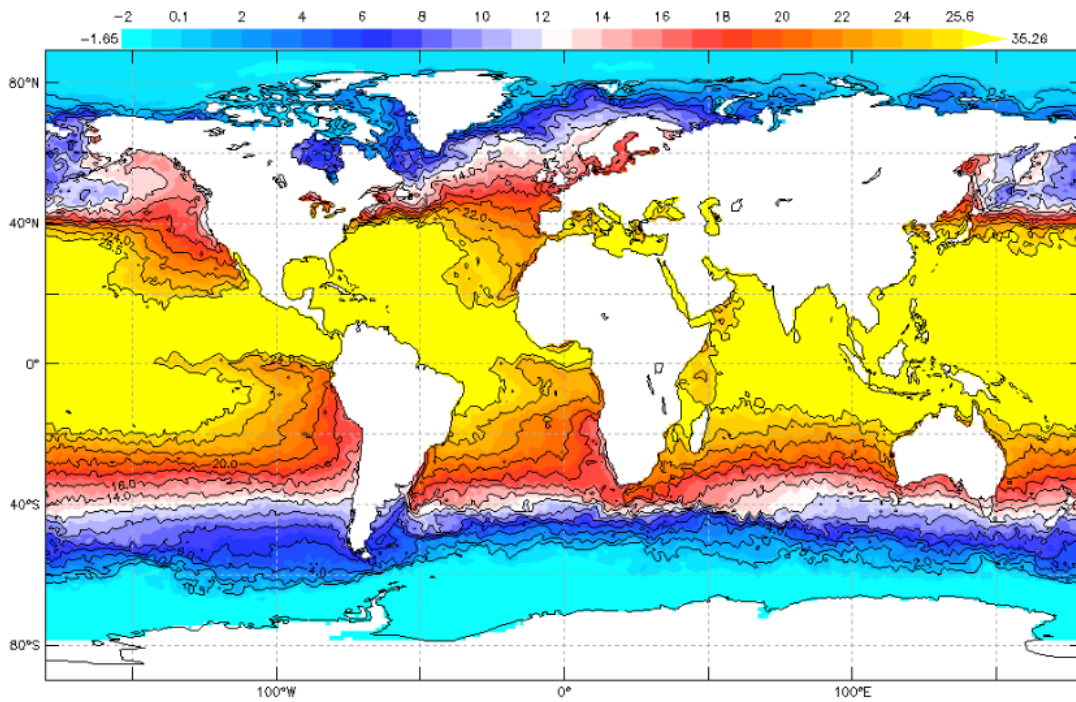


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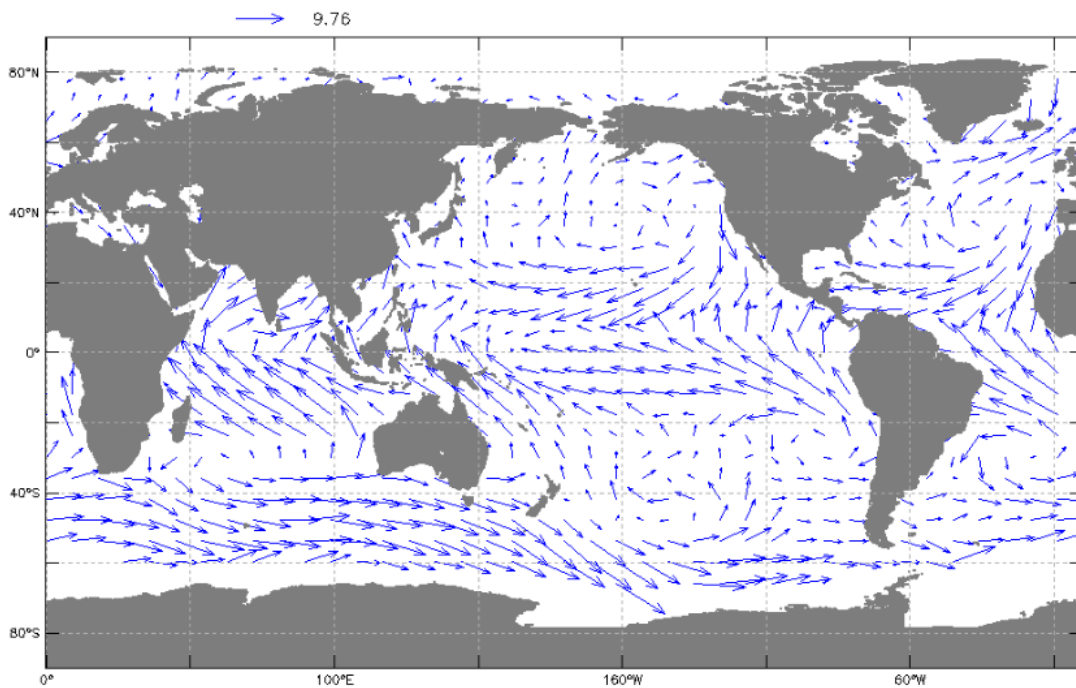
MY NASA DATA: Ocean Currents and Sea Surface Temperatures

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Sea Surface Temperature August 2005



Monthly Ocean Wind Speed Vector August 2005



NAME: _____ DATE: _____ CLASS: _____

MY NASA DATA: Ocean Currents and Sea Surface Temperatures

http://mynasadata.larc.nasa.gov/?page_id=474?&passid=9

Instructions and Questions:

Select a map for a particular month of the year 2005. Draw arrows on your map, using blue pencil for the cold currents and red pencil for the warm currents. Discuss within your group any similarities or differences on your maps for the different months of the year. Discuss the following questions with others in your group.

1. What clues help you decide how the ocean water is moving?
2. How is this ocean water movement helping even out the Sun's uneven heating of the Earth?
3. What drives the surface currents in these ocean basins?
4. Where will the fishing be very good, due to upwelling?
5. Along what coastal margin will you commonly find fog? Why?
6. If global weather change (warming) continues, predict how the Sea Surface Temperature (SST) and Ocean surface maps will look in the year 2100? Draw the maps using color markers.